



**Newborn Screening Quality Assurance Program  
Frequency Distribution of Participants' Clinical Assessments**

Year: 2017 Quarter: 4

**Qualitative Data**

(Calculations based on All Labs, All Methods)

**26:0-Lysophosphatidylcholine**

Clinical Assessment Categories: WNL - Within normal limits ONL - Outside normal limits

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**Qualitative Data**

(Calculations based on All Labs, All Methods)

**Amino Acids**

	Specimen 41751		Specimen 41752		Specimen 41753		Specimen 41754		Specimen 41755	
Arginine	260	3	263	0	260	3	259	4	260	3
Citrulline	279	6	283	2	247	38	282	3	280	5
Leucine	314	0	312	2	6	308	312	2	314	0
Methionine	299	1	8	292	297	3	297	3	297	3
Phenylalanine	400	3	400	3	395	8	403	0	403	0
Succinylacetone	130	0	130	0	130	0	129	1	130	0
Tyrosine	314	2	315	1	315	1	315	1	315	1
Valine	277	0	274	3	6	271	276	1	276	1

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	<b>Acylcarnitines</b>									
	<b>Specimen 41761</b>		<b>Specimen 41762</b>		<b>Specimen 41763</b>		<b>Specimen 41764</b>		<b>Specimen 41765</b>	
Free Carnitine (C0 low) Screen	303	1	299	5	298	6	302	2	286	18
Propionylcarnitine (C3) Screen	4	297	298	3	298	3	299	2	297	4
Malonylcarnitine (C3DC) Screen	120	3	121	2	120	3	121	2	121	2
Malonyl + Hydroxybutyryl (C3DC + C4OH) Screen	117	0	117	0	117	0	117	0	116	1
Butyrylcarnitine (C4) Screen	285	0	280	5	280	5	283	2	281	4
Hydroxybutyrylcarnitine (C4OH) Screen	119	1	118	2	118	2	117	3	120	0
Isovalerylcarnitine (C5) Screen	311	1	309	3	308	4	311	1	311	1
Tiglylcarnitine (C5:1) Screen	276	1	275	2	274	3	275	2	276	1
Glutaryl carnitine (C5DC) Screen	298	1	298	1	296	3	9	290	298	1
3-Hydroxyisovalerylcarnitine (C5OH) Screen	259	9	259	9	257	11	258	10	262	6
Hexanoylcarnitine (C6) Screen	288	5	286	7	287	6	289	4	5	288
Octanoylcarnitine (C8) Screen	312	4	312	4	312	4	313	3	3	313
Decanoylcarnitine (C10) Screen	302	3	302	3	303	2	302	3	14	291
Decenoylcarnitine (C10:1) Screen	268	2	269	1	269	1	268	2	20	250
2,4-Decadienoylcarnitine (C10:2) Screen	186	2	184	4	186	2	187	1	186	2
Myristoylcarnitine (C14) Screen	288	3	15	276	287	4	285	6	289	2
Tetradecenoylcarnitine (C14:1) Screen	296	1	12	285	297	0	295	2	296	1
Palmitoylcarnitine (C16) Screen	297	2	296	3	295	4	295	4	295	4
Hydroxypalmitoylcarnitine (C16OH) Screen	291	2	292	1	291	2	291	2	291	2
Stearoylcarnitine (C18) Screen	279	2	280	1	279	2	277	4	279	2
Oleoylcarnitine (C18:1) Screen	266	3	268	1	269	0	268	1	266	3

Hydroxystearoylcarnitine  
(C18OH) Screen

235 3 | 237 1 | 237 1 | 235 3 | 235 3

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**Biotinidase Deficiency**

	<b>Specimen 41771</b>			<b>Specimen 41772</b>			<b>Specimen 41773</b>			<b>Specimen 41774</b>			<b>Specimen 41775</b>						
	<b>Activity</b>			<b>Activity</b>			<b>Activity</b>			<b>Activity</b>			<b>Activity</b>						
Biotinidase Deficiency	175	0	2		171	0	6		175	0	2		7	0	170		172	0	5

Clinical Assessment Categories (Biotinidase): N - Normal activity P - Partial deficiency D - Deficiency

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**Galactose-1-Phosphate Uridyltransferase Deficiency**

	Specimen 41791		Specimen 41792		Specimen 41793		Specimen 41794		Specimen 41795	
	WNL	ONL	WNL	ONL	WNL	ONL	WNL	ONL	WNL	ONL
Galactose-1-Phosphate Uridyltransferase Deficiency	131	1	131	1	131	1	2	130	1	131

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**Glucose-6-Phosphate Dehydrogenase**

	Specimen 41731		Specimen 41732		Specimen 41733		Specimen 41734		Specimen 41735	
	WNL	ONL	WNL	ONL	WNL	ONL	WNL	ONL	WNL	ONL
G6PD Deficiency	70	0	70	0	70	0	2	68	69	1

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**Hormones and Galactose**

	Specimen 41711		Specimen 41712		Specimen 41713		Specimen 41714		Specimen 41715	
	WNL	ONL	WNL	ONL	WNL	ONL	WNL	ONL	WNL	ONL
Hypothyroidism	314	6	3	317	317	3	320	0	319	1
Congenital Adrenal Hyperplasia	249	1	248	2	248	2	245	5	8	242
Galactosemia	147	3	146	4	149	1	6	144	147	3

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**Immunoreactive Trypsinogen**

	Specimen 41781		Specimen 41782		Specimen 41783		Specimen 41784		Specimen 41785	
	WNL	ONL	WNL	ONL	WNL	ONL	WNL	ONL	WNL	ONL
Cystic Fibrosis	204	8	210	2	2	210	209	3	5	207

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